

Project Description

This project involves the installation of an Intersection Control Beacon and lighting at MD 235 and MD 247 in St. Mary's County, Maryland. MD 235 is considered to run in north/south direction. The electrical service shall be single phase 3 wire 120V/240V. The operating voltage for the luminaires shall be 110V.

Controller Operation

The intersection is to operate in a flashing mode with the MD 235 approaches flashing yellow and the MD 247 approaches flashing red.

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS

MR. PAUL ARMSTRONG
DISTRICT ENGINEER
410-841-1001

MR. LARRY ELLIOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-841-1003

MR. MARK COBLENTZ
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-841-1004

MR. CHARLES GEORGE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-841-1002

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES
410-841-1005

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
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TEAM LEADER SIGN OPERATIONS
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MR. DAVE SCHWARTZ
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

Equipment List

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

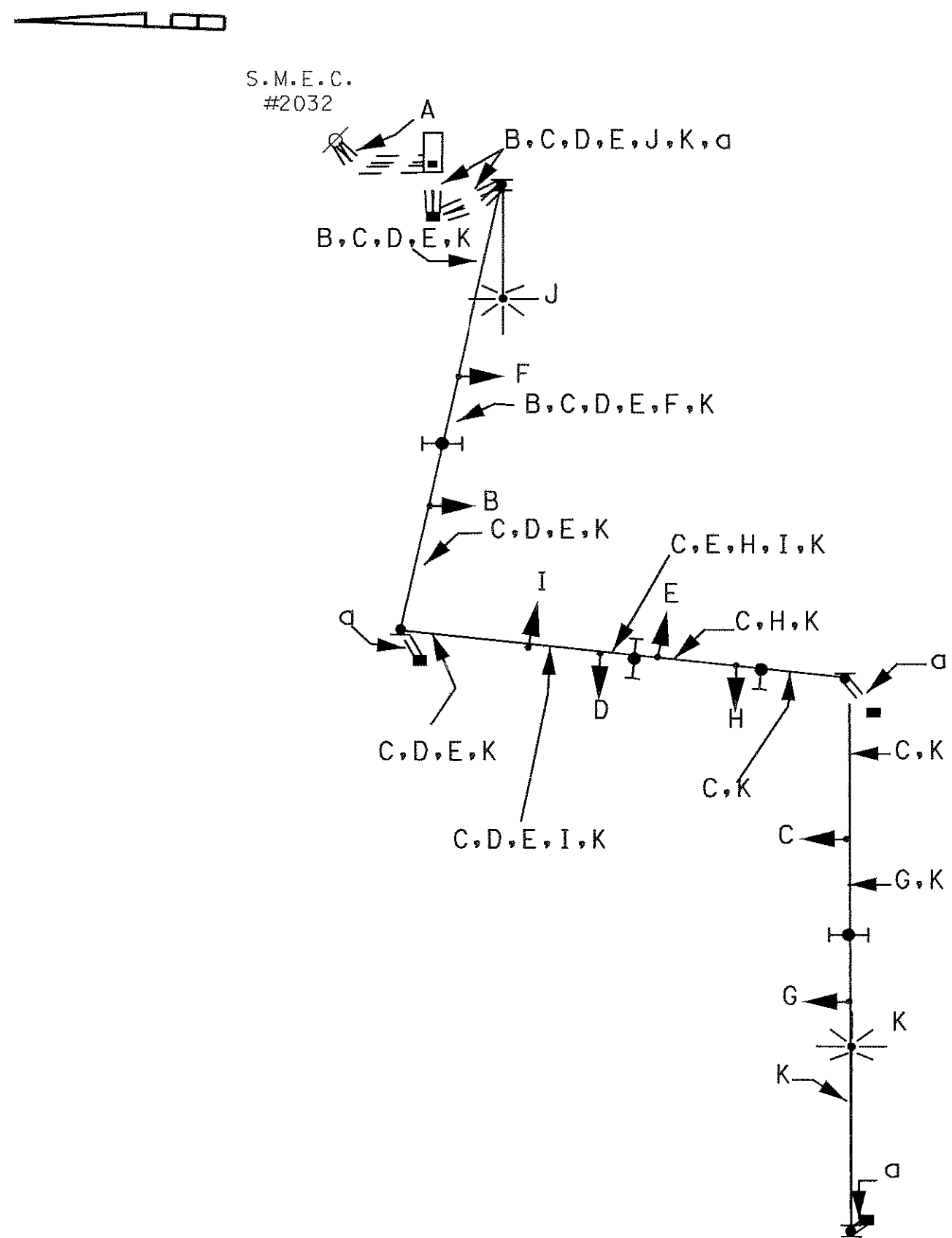
ITEM NO.	QUANTITY	DESCRIPTION
9062	4 EA	12" X 30' STRAIN POLE SERIES W/ ANCHOR BOLTS
9086	1 EA	CABINET W/ TELEMETRY (INTERSECTION MONITOR) SIZE 6
9087	1 EA	CONTROLLER ASC II W/ TELEMETRY
9089	97 SF	FLAT SHEET ALUM SIGN-YELLOW, ORANGE, & SILVER
		R3-SR "RIGHT TURN ONLY" SYMBOL 30"X36" SPAN MNT. 1 EA.
		ASSOCIATED SHIELD ASSEMBLY 48"X75" POLE MNT. 2 EA.
		ASSOCIATED SHIELD ASSEMBLY 30"X51" POLE MNT. 2 EA.
		R5-1R "WRONG WAY" 36"X24" GROUND MNT. 2 EA.
		R6-1R "ONE WAY" 36"X12" POLE MNT. 1 EA.
9090	32 SF	FLAT SHEET ALUM SIGN-BLUE OR GREEN
		D-3(1) "Three Notch Road" (dual face) 96"X16" SPAN MNT. 1 EA.
		D-3(1) "Loveville Road" (dual face) 96"X16" SPAN MNT. 2 EA.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2001	3 CY	TEST PIT EXCAVATION
6003	400 LF	FURNISH AND INSTALL TRAFFIC BARRIER W BEAM
6004	2 EA	FURNISH AND INSTALL TRAFFIC BARRIER W BEAM TRAIL END ANCHORAGE
6005	2 EA	FURNISH AND INSTALL SPECIAL TRAFFIC BARRIER W BEAM END TREATMENT
8001	11 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8009	260 LF	FURNISH AND INSTALL STEEL SPAN WIRE - 3/8 INCH DIAMETER
8020	1 EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT
8024	40 LF	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8027	50 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8031	50 LF	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8033	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8034	5 EA	FURNISH AND INSTALL GROUND ROD 3/4 INCH DIAMETER X 10 FOOT LENGTH
8044	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
8045	550 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8046	400 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO 12 AWG) TYPE T/C
8048	100 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8049	95 LF	FURNISH AND INSTALL ELECTRICAL CABLE 1 CONDUCTOR NO. 4 AWG - THHN/THWN
8050	14 LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8052	6 SF	INSTALL GROUND MOUNTED SIGN
8053	117 SF	INSTALL OVERHEAD SIGN
8055	2 EA	FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTOCELL
8056	2 EA	FURNISH AND INSTALL 15 FOOT LIGHTING BRACKET ARM FOR TRAFFIC SIGNAL STRUCTURE
8066	1 EA	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT (120/240 V, 1 PHASE 3 WIRE SYSTEM)
8073	4 EA	INSTALL STRAIN POLE (ANY SIZE)
8084	8 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION

1 2 3 4 5 6 7 8
(Y) (Y) (Y) (Y) (R) (R) (R) (R)

Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	
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- A - 3 WIRE (NO. 4 A.W.G.) FOR TRAFFIC SIGNAL/LUMINAIRE ELECTRICAL SERVICE
- B-E} 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- F-I} 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- J-K} 2-CONDUCTOR ELECTRICAL CABLE TYPE T/C (NO. 12 A.W.G.)
- a - BARE COPPER WIRE (NO. 6 A.W.G.)

Century Engineering, Inc.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

REVISIONS

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION <i>Office of Traffic & Safety</i> TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION MD 235 AT MD 247			
DRAWN BY: H.G.O.		F.A.P. NO. AC-STPG-000S(683)E	TS NO. 4019
CHECKED BY: T.M.H.		S.H.A. NO. 5177452/657	SHEET NO. 02 OF 02
SCALE: Not to Scale		COUNTY: ST. MARY'S	
DATE: 6/00		LOG MILE: 18235026.70	T.I.M.S. NO. D 777